

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P954774

Luminaire Tested: **GALN-SB7D-935-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7D-935-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38422 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

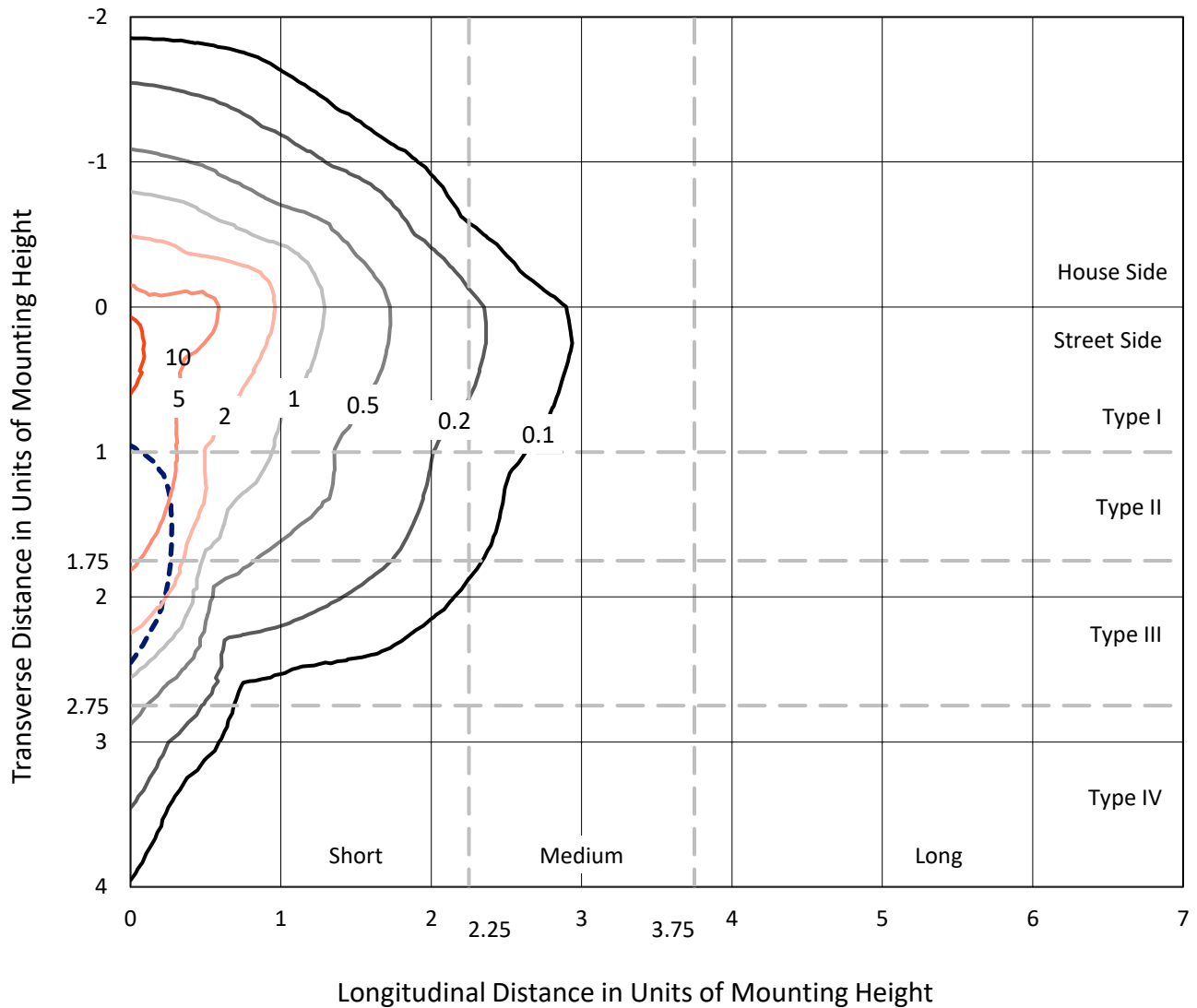
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

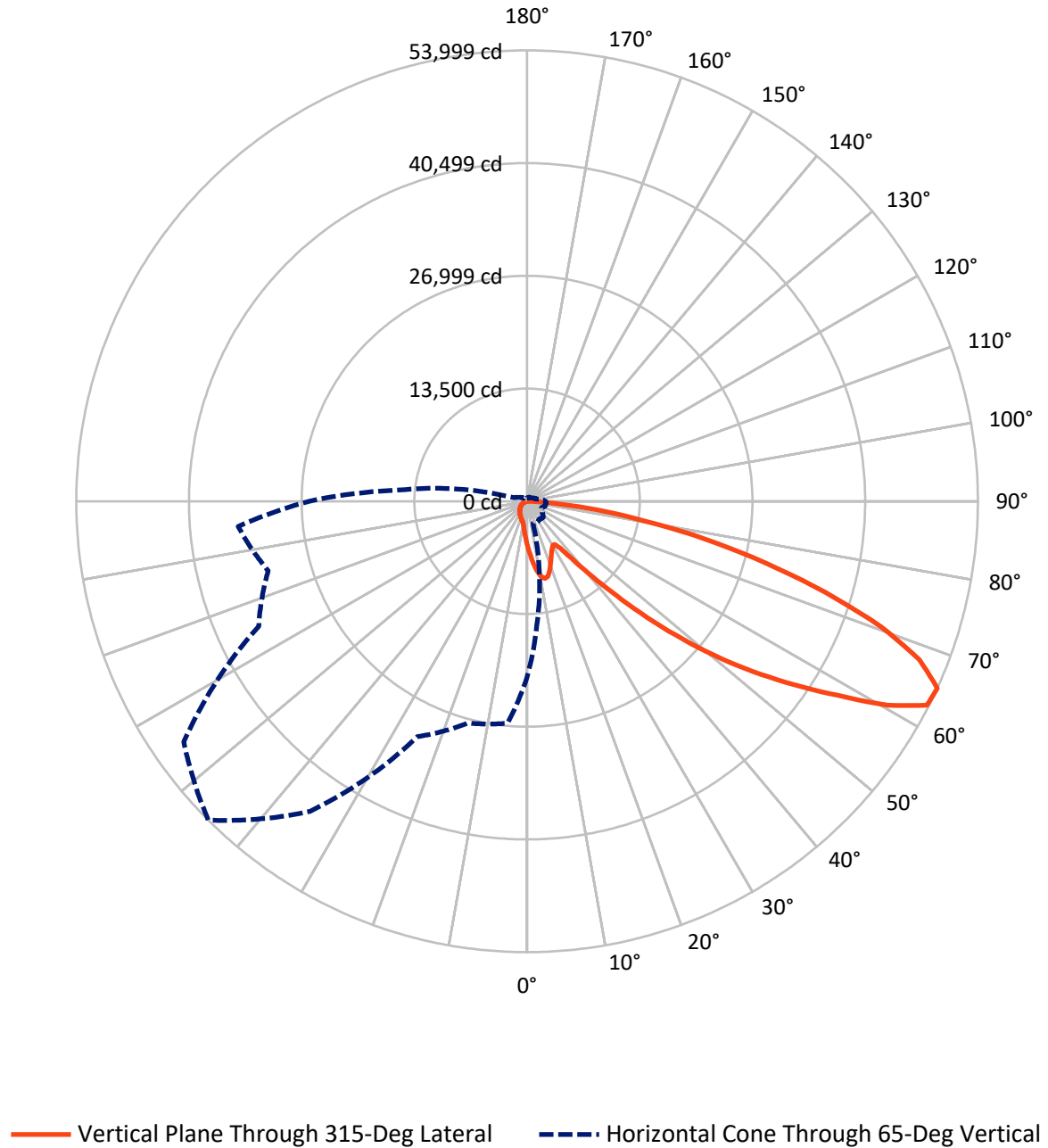
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5380.7	0.0	5380.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	33041.3	0.0	33041.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	38422.0	0.0	38422.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.8	1.4
10°-20°	1570.2	4.1
20°-30°	2313.2	6.0
30°-40°	2971.8	7.7
40°-50°	4806.3	12.5
50°-60°	8428.3	21.9
60°-70°	10546.2	27.4
70°-80°	6162.7	16.0
80°-90°	1099.5	2.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	38422.0	100.0
0°-180°	38422.0	100.0

Coefficient of Utilization



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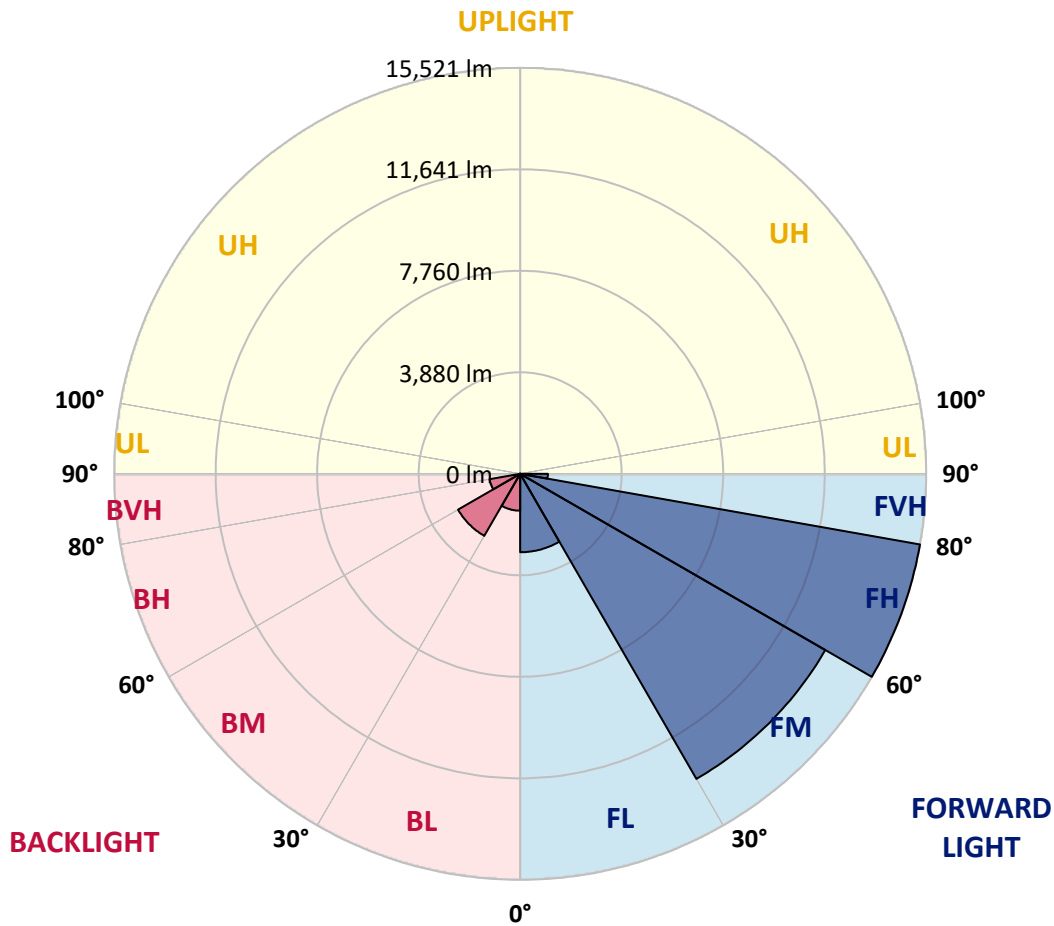
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2996.8	7.8			
FM (30°-60°)	13466.5	35.0			
FH (60°-80°)	15520.7	40.4			G5
FVH (80°-90°)	1057.3	2.8			G5
BL (0°-30°)	1410.4	3.7	B3/2500		
BM (30°-60°)	2740.0	7.1	B3/5000		
BH (60°-80°)	1188.1	3.1	B3/2500		G3/2500
BVH (80°-90°)	42.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2
2.5°	6011.1	5907.8	5846.9	5696.1	5545.2	5423.4	5259.3	5150.8	5021.1	4896.7
5°	6699.2	6532.5	6331.3	6056.0	5804.6	5547.8	5299.0	5052.9	4793.5	4555.3
7.5°	7281.6	7040.7	6686.0	6320.7	6000.5	5690.8	5399.6	5074.1	4759.1	4385.9
10°	7726.2	7419.2	6953.3	6474.3	6106.3	5794.0	5510.8	5235.5	4917.9	4467.9
12.5°	7996.2	7668.0	7114.8	6553.7	6132.8	5783.4	5563.7	5442.0	5317.6	4870.2
15°	8194.7	7840.0	7228.6	6609.2	6071.9	5643.1	5481.7	5603.4	5746.4	5460.5
17.5°	8401.2	8028.0	7376.8	6633.1	5907.8	5370.5	5301.7	5616.7	5947.5	5934.3
20°	8597.0	8226.5	7506.5	6617.2	5643.1	5039.6	5100.5	5502.9	5886.6	6048.1
22.5°	8822.0	8430.3	7630.9	6556.3	5299.0	4730.0	4920.5	5322.9	5659.0	5849.6
25°	9097.3	8687.0	7805.6	6466.3	4928.5	4473.2	4737.9	5113.8	5386.4	5518.7
27.5°	9393.8	8994.1	8038.6	6418.7	4629.4	4290.6	4531.4	4865.0	5108.5	5201.1
30°	9761.7	9351.4	8313.8	6365.7	4433.5	4184.7	4317.1	4576.4	4814.7	4907.3
32.5°	10164.0	9748.4	8578.5	6238.7	4314.4	4105.3	4107.9	4272.1	4489.1	4600.3
35°	10666.9	10224.9	8861.7	5960.8	4219.1	4012.7	3904.1	3983.5	4163.5	4295.9
37.5°	11384.2	10849.5	9208.5	5563.7	4078.8	3869.7	3689.7	3708.3	3845.9	3991.5
40°	12374.1	11688.6	9616.1	5150.8	3877.7	3668.6	3454.2	3446.2	3546.8	3689.7
42.5°	13713.5	12797.6	10105.8	4756.4	3684.4	3425.1	3205.4	3192.1	3271.5	3395.9
45°	15481.6	14216.4	10706.6	4417.6	3533.6	3186.8	2969.8	2964.5	3030.7	3139.2
47.5°	17744.6	16188.3	11307.4	4187.4	3454.2	2998.9	2776.6	2787.2	2845.4	2943.3
50°	20674.7	18758.4	11490.1	4070.9	3454.2	2898.3	2604.5	2657.5	2705.1	2779.2
52.5°	24187.1	21225.3	10886.6	3965.0	3475.3	2911.6	2458.9	2572.8	2607.2	2670.7
55°	27442.8	22434.9	9359.3	3819.4	3480.6	2993.6	2334.5	2503.9	2567.5	2591.3
57.5°	29332.7	22019.3	7567.4	3573.3	3459.5	3049.2	2255.1	2419.2	2541.0	2556.9
60°	28972.7	20560.9	5571.7	3385.4	3303.3	3028.0	2231.3	2289.5	2482.8	2506.6
62.5°	26198.8	18115.2	3867.1	3239.8	2959.2	2935.4	2223.4	2085.7	2355.7	2413.9
65°	21058.5	14261.4	2731.6	2789.8	2593.9	2734.2	2181.0	1874.0	2202.2	2281.6
67.5°	15277.8	9650.5	1971.9	2260.4	2350.4	2408.7	2085.7	1720.5	2027.5	2133.4
70°	9804.0	5211.7	1384.3	1492.8	1979.9	2046.0	1921.6	1582.8	1850.2	1971.9
72.5°	6969.2	3078.3	995.2	1045.5	1590.8	1704.6	1691.4	1429.3	1643.7	1791.9
75°	4809.4	1696.6	672.3	746.4	1154.0	1384.3	1304.9	1228.1	1392.3	1543.1
77.5°	3014.8	759.7	402.3	518.8	757.0	1087.9	894.6	950.2	1085.2	1225.5
80°	1678.1	293.8	225.0	344.1	412.9	791.4	495.0	611.4	799.4	899.9
82.5°	365.3	37.1	100.6	148.2	161.5	460.6	262.0	354.7	502.9	495.0
85°	0.0	0.0	18.5	21.2	10.6	198.5	95.3	116.5	164.1	153.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
5320.2	0°	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2
4785.5	2.5°	4764.4	4634.7	4539.4	4491.7	4452.0	4489.1	4510.3	4510.3	4600.3	4653.2
4409.7	5°	4317.1	4084.1	3906.8	3787.7	3716.2	3740.0	3766.5	3795.6	3909.4	3986.2
4187.4	7.5°	4007.4	3650.0	3380.1	3213.3	3126.0	3139.2	3157.7	3181.5	3292.7	3369.5
4219.1	10°	3949.1	3435.6	3054.5	2834.8	2728.9	2710.4	2699.8	2691.9	2758.0	2816.3
4579.1	12.5°	4187.4	3446.2	2914.2	2646.9	2517.2	2461.6	2398.1	2347.8	2358.4	2395.4
5124.3	15°	4613.5	3581.2	2869.2	2548.9	2387.5	2294.8	2220.7	2159.8	2146.6	2159.8
5600.8	17.5°	5100.5	3763.9	2863.9	2464.2	2263.1	2167.8	2106.9	2051.3	2032.8	2035.4
5868.1	20°	5423.4	3909.4	2848.0	2369.0	2144.0	2059.3	2006.3	1950.7	1932.2	1937.5
5794.0	22.5°	5455.2	3986.2	2824.2	2263.1	2024.9	1953.4	1900.5	1850.2	1847.5	1847.5
5516.1	25°	5283.2	3986.2	2773.9	2167.8	1911.0	1847.5	1799.9	1739.0	1749.6	1754.9
5201.1	27.5°	5015.8	3890.9	2678.6	2091.0	1813.1	1746.9	1699.3	1643.7	1656.9	1664.9
4907.3	30°	4751.1	3769.1	2564.8	2003.7	1720.5	1643.7	1609.3	1561.7	1566.9	1577.5
4616.1	32.5°	4505.0	3639.5	2429.8	1932.2	1627.8	1551.1	1524.6	1471.7	1479.6	1490.2
4330.3	35°	4261.5	3496.5	2271.0	1847.5	1543.1	1466.4	1445.2	1384.3	1389.6	1405.5
4044.4	37.5°	3999.4	3345.6	2141.3	1762.8	1461.1	1381.7	1360.5	1297.0	1302.3	1320.8
3748.0	40°	3724.2	3197.4	2014.3	1672.8	1373.7	1294.3	1275.8	1207.0	1212.3	1233.4
3456.8	42.5°	3446.2	3036.0	1916.3	1556.4	1283.7	1199.0	1180.5	1117.0	1124.9	1148.7
3202.7	45°	3189.5	2842.7	1852.8	1426.7	1199.0	1103.7	1085.2	1027.0	1042.9	1069.3
2988.3	47.5°	2969.8	2644.2	1826.3	1318.1	1109.0	1005.8	989.9	942.3	968.8	997.9
2805.7	50°	2781.9	2453.7	1791.9	1207.0	1024.3	921.1	905.2	873.5	907.9	937.0
2681.3	52.5°	2646.9	2236.6	1717.8	1106.4	950.2	849.6	844.4	828.5	860.2	886.7
2588.6	55°	2530.4	2011.6	1598.7	1019.0	884.1	788.8	794.1	786.1	812.6	833.8
2533.1	57.5°	2424.5	1815.8	1447.8	950.2	812.6	735.8	751.7	741.1	754.4	767.6
2474.8	60°	2297.5	1617.2	1267.9	873.5	727.9	682.9	701.4	672.3	669.7	675.0
2369.0	62.5°	2109.6	1349.9	1079.9	778.2	653.8	624.7	632.6	577.0	534.7	534.7
2212.8	65°	1847.5	1085.2	905.2	672.3	569.1	545.3	540.0	460.6	402.3	397.0
2043.4	67.5°	1543.1	892.0	751.7	566.4	473.8	457.9	463.2	405.0	346.7	341.4
1874.0	70°	1257.3	738.5	606.1	452.6	365.3	381.1	405.0	346.7	291.2	283.2
1675.5	72.5°	1021.7	587.6	473.8	346.7	270.0	315.0	344.1	283.2	230.3	225.0
1429.3	75°	788.8	431.4	338.8	235.6	195.9	243.5	270.0	206.5	164.1	156.2
1106.4	77.5°	526.7	267.3	190.6	148.2	116.5	166.8	180.0	108.5	95.3	92.6
804.6	80°	320.3	124.4	82.1	71.5	39.7	60.9	71.5	45.0	50.3	52.9
428.8	82.5°	161.5	34.4	13.2	2.6	0.0	0.0	21.2	10.6	21.2	26.5
116.5	85°	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	13.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
5320.2	0°	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2
4674.4	2.5°	4822.6	4933.8	5039.6	5209.0	5383.7	5555.8	5730.5	5899.9	5960.8	6005.8
4036.5	5°	4266.8	4475.9	4719.4	5055.5	5415.5	5786.1	6161.9	6506.0	6662.2	6768.1
3435.6	7.5°	3692.4	3965.0	4314.4	4820.0	5383.7	5974.0	6564.2	7106.9	7358.3	7562.1
2869.2	10°	3123.3	3419.8	3861.8	4438.8	5201.1	6048.1	6863.3	7609.8	7935.3	8192.1
2461.6	12.5°	2623.1	2901.0	3364.2	4002.1	4915.2	5989.9	7035.4	7932.7	8316.5	8605.0
2170.4	15°	2271.0	2466.9	2877.2	3565.3	4576.4	5801.9	7046.0	8086.2	8507.1	8808.8
2048.7	17.5°	2075.1	2141.3	2408.7	3120.7	4200.6	5555.8	6948.0	8139.1	8589.1	8869.7
1940.2	20°	1969.3	1979.9	2054.0	2543.6	3718.9	5325.5	6855.4	8192.1	8665.9	8901.4
1863.4	22.5°	1884.6	1884.6	1903.1	2080.4	3096.8	5050.2	6826.3	8284.7	8771.7	8917.3
1776.1	25°	1807.8	1807.8	1813.1	1860.8	2453.7	4629.4	6807.8	8427.6	8917.3	8957.0
1688.7	27.5°	1728.4	1731.1	1731.1	1757.5	1977.2	4057.7	6728.4	8612.9	9092.0	9010.0
1604.0	30°	1649.0	1654.3	1654.3	1672.8	1749.6	3388.0	6572.2	8835.3	9319.6	9078.8
1519.3	32.5°	1569.6	1574.9	1574.9	1590.8	1646.4	2705.1	6376.3	9039.1	9549.9	9107.9
1437.3	35°	1487.5	1495.5	1490.2	1511.4	1569.6	2151.9	6127.5	9242.9	9798.7	9200.5
1357.8	37.5°	1405.5	1410.8	1408.1	1429.3	1495.5	1858.1	5839.0	9396.4	10137.5	9407.0
1273.1	40°	1323.4	1320.8	1320.8	1344.6	1416.1	1773.4	5476.4	9639.9	10624.6	9769.6
1188.4	42.5°	1238.7	1238.7	1233.4	1259.9	1347.3	1709.9	5129.6	10076.7	11333.9	10346.6
1109.0	45°	1162.0	1159.3	1148.7	1172.6	1281.1	1598.7	5007.9	10891.9	12382.1	11281.0
1029.6	47.5°	1087.9	1085.2	1058.7	1079.9	1201.7	1498.1	5463.1	12225.9	13835.2	12654.7
966.1	50°	1021.7	1024.3	974.0	992.6	1122.3	1421.4	6450.4	13957.0	15764.8	14504.9
913.2	52.5°	960.8	960.8	894.6	905.2	1024.3	1352.6	7390.1	15833.6	18311.1	17085.6
857.6	55°	899.9	894.6	820.5	825.8	926.4	1254.6	7530.4	17665.2	21783.8	20968.5
796.7	57.5°	831.1	820.5	751.7	751.7	836.4	1183.2	6527.2	19073.4	26092.9	26675.2
682.9	60°	746.4	738.5	693.5	680.2	764.9	1246.7	4605.6	19237.5	28872.1	34263.8
542.6	62.5°	637.9	648.5	624.7	606.1	696.1	1294.3	2728.9	17916.7	28199.8	36677.7
420.9	65°	502.9	545.3	540.0	526.7	764.9	1090.5	1611.9	15381.0	26137.9	34729.6
367.9	67.5°	428.8	457.9	450.0	450.0	802.0	828.5	1013.8	12016.8	23300.4	32418.9
307.0	70°	365.3	394.4	365.3	365.3	606.1	502.9	701.4	8390.6	20238.0	29862.0
246.2	72.5°	301.7	330.9	299.1	277.9	484.4	375.9	513.5	5243.5	17331.7	27199.3
174.7	75°	230.3	264.7	240.9	214.4	320.3	280.6	389.1	3046.6	14359.3	23271.3
105.9	77.5°	145.6	190.6	180.0	150.9	235.6	203.8	280.6	1813.1	11079.8	18184.0
63.5	80°	90.0	97.9	100.6	95.3	135.0	137.6	190.6	1032.3	7583.3	12673.2
39.7	82.5°	58.2	58.2	45.0	50.3	66.2	79.4	108.5	389.1	4457.3	7715.6
23.8	85°	42.3	37.1	23.8	23.8	31.8	39.7	42.3	119.1	1807.8	3046.6
10.6	87.5°	21.2	18.5	7.9	10.6	15.9	13.2	10.6	5.3	455.3	974.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
5320.2	0°	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2	5320.2
6106.3	2.5°	6159.3	6241.3	6246.6	6246.6	6175.2	6172.5	6026.9	6011.1
7006.3	5°	7252.4	7305.4	7318.6	7292.1	7149.2	7043.3	6760.1	6699.2
7924.7	7.5°	8253.0	8358.8	8358.8	8295.3	8062.4	7845.3	7435.1	7281.6
8684.4	10°	9052.3	9174.1	9147.6	9017.9	8724.1	8425.0	7927.4	7726.2
9145.0	12.5°	9441.4	9565.8	9497.0	9348.8	9062.9	8747.9	8223.8	7996.2
9277.3	15°	9433.5	9399.1	9327.6	9309.1	9171.4	8933.2	8443.5	8194.7
9195.2	17.5°	9097.3	8806.2	8750.6	8935.8	9110.5	9052.3	8634.1	8401.2
8999.4	20°	8565.3	8057.1	8006.8	8361.5	8859.1	9113.2	8811.4	8597.0
8716.2	22.5°	8004.1	7456.2	7339.8	7731.5	8480.6	9131.7	9036.4	8822.0
8403.8	25°	7472.1	6921.6	6805.1	7170.4	8059.7	9100.0	9279.9	9097.3
8104.7	27.5°	7027.5	6495.4	6386.9	6752.2	7654.8	9010.0	9523.5	9393.8
7808.3	30°	6683.4	6191.0	6111.6	6463.7	7305.4	8898.8	9833.1	9761.7
7533.0	32.5°	6482.2	6122.2	6151.3	6439.8	7117.4	8777.0	10129.6	10164.0
7398.0	35°	6680.7	6696.6	6950.7	7069.8	7292.1	8758.5	10531.9	10666.9
7559.5	37.5°	7668.0	8218.5	8745.3	8647.3	8147.1	8972.9	11132.8	11384.2
8263.5	40°	9348.8	10479.0	11333.9	10960.7	9700.8	9629.3	11998.3	12374.1
9512.9	42.5°	11402.7	13319.1	14727.2	13726.7	11704.5	10778.1	13234.4	13713.5
11024.2	45°	13570.5	16820.9	19039.0	16958.5	13840.5	12387.4	15105.7	15481.6
12440.3	47.5°	15854.8	21077.1	23946.3	20542.4	15820.4	14219.0	17657.3	17744.6
13782.3	50°	18353.4	25743.5	28948.9	24123.6	17731.4	16318.0	20775.3	20674.7
15346.6	52.5°	20733.0	30542.3	33845.6	27720.7	19409.5	18922.5	24393.6	24187.1
17485.3	55°	23004.0	35338.4	38771.4	31177.5	20992.4	22363.4	28692.1	27442.8
20568.9	57.5°	25637.6	39650.2	43848.1	34650.2	23205.1	26831.4	33498.8	29332.7
26474.0	60°	29531.2	44549.5	49589.2	39409.3	27413.7	31526.9	35222.0	28972.7
33546.5	62.5°	34502.0	49054.5	53763.3	44073.1	31640.7	32411.0	32683.6	26198.8
32103.9	65°	35468.1	50195.3	53998.9	45319.8	31095.5	27493.1	26683.1	21058.5
28676.2	67.5°	32905.9	48133.4	50706.2	42998.5	27506.3	21246.5	20023.6	15277.8
26426.4	70°	30031.4	44202.8	44967.7	39052.0	24192.4	15627.1	13522.9	9804.0
24885.9	72.5°	27085.5	38959.3	37376.5	33914.4	21262.3	11378.9	9753.7	6969.2
22691.7	75°	23586.3	32064.2	29441.2	28178.6	17604.4	8930.6	7056.6	4809.4
19518.1	77.5°	18888.1	22569.9	21868.5	21842.0	13229.1	6524.5	4708.8	3014.8
15248.6	80°	13324.4	14647.8	14290.5	16450.3	8875.0	4732.6	2834.8	1678.1
10614.0	82.5°	6450.4	8099.4	8313.8	9796.1	4317.1	2784.5	653.8	365.3
4150.3	85°	2525.1	3906.8	3295.4	3718.9	1212.3	775.5	15.9	0.0
682.9	87.5°	283.2	452.6	415.6	328.2	148.2	31.8	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)